

On a Method of Investigating Systems of Linear
Differential Equations With Quasiperiodic Coefficients,
by V. H. Harasahal, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, 1961,
pp 313-315.

Amer Math Soc

Sci

M Jun 62

Certain Families of Extensions of a Symmetric Operator
by A. V. Skarsus, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, 1961,
pp 316-319.

Amer Math Soc

Sci

Jun 62

201, 062

(NY-6502)

The Capacity of Functional-Element Systems,
by M. N. Vayntsveyg, 8 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 2, Jul 1961, pp 320-323.

JFRA 10355

Sci - Phys

173, 677

Oct 61

(NY-6502)

Concerning the Possibility of Generalizing the
Invariance Principle in Linear Automatic Control
Systems With Variable Parameters, by V. A.
Vasilenko, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2,
pp 324-326.

JPRS 10435

Sci - Phys
No. 11

173, 605

The Motion of a Gyroscope in a Cardan
Suspension when There Is a Moment with
Respect to the Axis of Natural Rotation,
by S. A. Kharlamov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 2, 1961, pp 327-.

AIP
Sov Phys - Dok
Vol VI, No 7

Sci

865
182. 653

Feb 62

Energy Spectrum of an Incompressible Fluid
in Turbulent Flow, by E. A. Novikov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 2, 1961, pp 331-334.

ATP
Sov Phys - Dok
Vol VI, No 7
863

Sci

182, ~~55~~

Feb 62

The Boundary of the Region of Existence of Optimal Nozzles Free of Shock Waves, by L. E. Sternin, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2,
1961, pp 335-.

AIP
Sov Phys - Dok
Vol VI, No 7

Sci

Jan 62

Solution of Axially Symmetric Problems in the
Theory of Elasticity by Means of Analytic
Functions, by A. Ya. Aleksandrov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 2, 1961, pp 337-340.

AIP
Sov Phys - Dok
Vol VI, No 7

852

Sci

182, ~~664~~

Feb 62

Asymptotic Treatment of the Equations for
Large Bending of a Symmetrically Loaded
Circular Plate, by L. S. Srubshchik, Ex
V. I. Yudovich, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 2, 1961, pp 341-344.

AIP
Sov Phys - Dok
Vol VI, No 7 85-3

Sci

182, ~~66~~

Feb 62

On the Problem of the Fermion Mass in the δ -Invariant Model of Quantum Field Theory, by B. A. Arbuzov, A. N. Tavkhelidze, R. I. Faustov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2, 1961, pp 345-347.

AIP
Sov Phys - Dok
Vol VI, No 7

Sci

Jan 62

Spheres of Quenching in Case of Energy
Transfer between Triplet Levels, by V. L.
Ermolayev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 2, 1961, pp 348-350.

AIP
Sov Phys - Dok
Vol VI, No 7

866

182, ~~677~~

Sci

Feb 62

Probability of Conversion of the Oscillatory Energy of Oxygen on Collision with a Nitrogen Peroxide Molecule, by A. I. Osipov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 2, 1961, pp 351-354.

App AIP
Sov Phys - Dok
Vol VI, No 7 867

Sci 182, 648

Feb 62

Anisotropic Eleftron Scattering by Ionized
Impurities, by A. G. Samoilovich, I. Ya.
Korenblit, I. V. Dakhovskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXXXIX,
No 2, 1961, pp 355-358.

AIP
Sov Phys - Dok
Vol VI, No 7

868
182, 649

Sci

Feb 62

Durability of Metals, by V. V. Likhtman,
L. S. Bryukhanova, I. A. Andreyeva, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
May No 2, 1961, pp 359-.

AIP
Sov Phys - Dok
Vol VI, No 7
850

Sci

182, ~~602~~

Feb 62

Synthesis of β -Cedrene, by M. I. Goryayev,
G. A. Tolstikov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 2, 1961, pp 363-366.

CB

Sci

200,775

Jun 62

A New Route for the Synthesis of Quinolizidine
Derivatives, by V. I. Gunar, S. I. Zav'yalov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2,
1961, pp 367-368.

CB

Sci

Jun 62

c-(2,3(CO),6,5,(CO)-Dibenzoylenicotinoyl)
Benzoic Acid, by G. Ya. Duburs, G. Ya. Vanags,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 2, 1961, pp 369-372.

CB

Sci

200, 776

Jun 62

Absorption Spectra of Diphenylmethane and
Diphenylethane Derivatives Containing Nitro
and Amino Groups on Different Rings, by
V. A. Izmail'skiy, V. A. Glushenkov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR,
Vol CXXXIX, No 2, 1961, pp 373-376.

CB

Sci

200,777

Jun 62

Hydrogenation of γ -Keto Acids Over Colloidal
Palladium Catalyst, by E. I. Klabunovskiy,
A. A. Balandin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 2, 1961, pp 377-380.

CB

Sci

200,778

Jun 62

Conversion of Isopropenylcyclopropane in
the Presence of Kieselguhr, by M. Yu. Lukina,
S. V. Zetova, 4 pp.

RUSSIAN, par, Dok Ak Nauk SSSR, Vol CXXXIX,
No 2, 1961, pp 381-384.

CB

Sci

200, 779

Jun 62

Reactions of Diborane and Alkyldiboranes With
Esters of Boric and Alkaneboronic Acids and
Their Thio Analogs, by B. M. Mikhailov,
L. S. Vasil'yev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 2, 1961, pp 385-388.

CB

Sci

200, 780

Jun 62

Isotope Exchange Between Substituted
Benzylmercury Bromides and Mercuric Bromide
Labeled With the Radioactive Isotope, by
T. A. Smolina, V. A. Kalyavin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 2, 1961, pp 389-392.

CB

Sci

200, 781

Jun 62

Metal Dialkyl Dithiophosphate Antioxidants, by P. I.
Sanin, V. V. Sher, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2, 1961,
pp 393-395.

CB

Sci

Jun 62

Synthesis of α -Furylnitroethylene and Investigation of
Its Ability to Undergo Polymerization, by A. V. Топчий
Topchiev, V. P. Alaniya, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2, 1961,
pp 396-397.

CB

Sci

Jun 62

The Specific Heat of Water and Steam at High Temperatures and High Pressures, by Kh. I. Amirkhanov, A. M. Kerimov, 4 pp.

RUSSIAN, per, Dokl Ak Nauk SSSR, Vol CXXXIX, No 2, 1961, pp 398-401.

CB

Sci

Apr 62

Photoreduction and Demethylation of Thiazine Dyes on
Silica Sol's, by Kh. L. Arvan, G. A. Korsunovskiy,
S. Yu. Lebedev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2,
1961, pp 402-405.

CB

Sci

Apr 62

Oxidation and Reduction by Radical Radiolysis
Products of Organic Compounds, by V. A. Larin, N. A.
Bakh, 3 pp.

RUSSIAN, par, Dok Ak Nauk SSSR, Vol CXXXIX, No 2,
1961, pp 406-409.

CB

Sci

Apr 62

The Conversion of Oxidative Radiolysis Components in
the Nitrate-Water System, by M. A. Proskurnin, V. A.
Sharpatyy, V. I. Smirnova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2,
1961, pp 410-413.

CB

U KAEA/D/LIB TR 63

Available on loan only.

Sci

Apr 62

The Mechanism by Which Pitting Corrosion is Initiated
and Grows on Stainless Steels, by I. L. Rozenfel'd,
I. S. Danilov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2,
1961, pp 414-417.

X CB

Sci

Apr 62

The Dipole Moments of Certain Cyclopentadienylides
and Diphenyl Cyclopropenone, by A. N. Shidlovskaya,
Ya. K. Syrkin, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2,
1961, pp 418-419.

CB

Sci

Apr 62

The Proof that Strong Deflagrations and Weak
Detonations Cannot be Realized, by K. I. Shchelkin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2,
1961, pp 420-423.

CB

Sci

Apr 62

Nuclear Reaction (α , n) for the Determination of
Certain Elements in Solution, by I. N. Plaskin, et al.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2,
1961, pp 424-426.

U.K. Atomic Energy Authority
Risley, TRG Inf Ser 129(W)

Sci - Chem
Jul 62

CB

202,109

Recent Data on the Lower and Middle Jurassic Belemnite Fauna of Siberia, by V. N. Saks, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Earth Sciences Section), Vol CXXXIX, No 2, 1961, pp 431-.

AGI

Sci

Aug 63

Chlorine-Free Schairerite From the Nepheline Syenites of the Lovozero Massif (Kola Peninsula), by L. N. Kogarko, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR (Earth Sciences Section), Vol CXXXIX, No 2, 1961, pp 435-437.

AGI

Sci

Aug 63

Kimberlite Pipes From the South of the Siberian Platform, by B. M. Vlakimirov, V. I. Znamerovsky, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR (Earth Sciences Section), Vol XXXIX, No 2, 1961, pp 438-441.

AGI

Sci

Aug 63

The Study of Opals and Opal-Containing Rocks by
Means of the Adsorption Structural Method, by
V. A. Zabelin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR (Earth Sciences
Section), Vol XXXIX, No 2, 1961, pp 442-445.

AGI

Sci

Aug 63

Sulfide Concretions in the Coal-Bearing Deposits
of the Donets Basin and the Mineralogical Form
of the Iron Disulfide, by P. V. Zaritsky, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR (Earth Sciences
Section), Vol XXXIX, No 2, 1961, pp 446-447.

AGI

Sci

Aug 63

Minor Elements in Lower Cretaceous Rocks of
the Dnieper-Donets Depression, by I. I. Litvin,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Earth /
Sciences Section, Vol CXXXIX, No 2, 1967,
pp 450-452.

AGI

Sci

Aug 63

A Contribution to the Geochemistry of Chlorine,
by Yu. P. Masurenkov, S. I. Pakhomov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, ^(Acta)
Sciences Section, Vol CXXXIX, No 2, 196⁵,
pp 453-455.

AGI

Sci

Aug 63

The Radioactivity Ratio of Sediments of the
Sea of Azov and the Black Sea, by L. Ye.
Starik, D. S. Nikolayev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Earth Sciences Section, Vol CXXXIX, No 2, 1963,
pp 456-460.

AGI

Sci

Aug 63

Protoleiosphaeridium Sorediforme Tim. and Pr.
Conglutinatum Tim. From the Petroleum and Rocks
of the Volga-Ural Region, by A. M. Medvedeva,
I. K. Chepilova, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR (Earth Sciences
Section), Vol XXXIX, No 2, 1961, pp 461-462.

AGI

Sci

Aug 63

The Effect of Low Temperatures on the
Chromosome Morphology of Potato Species,
by N. A. Lebedeva, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 2, 1961, pp 463-467.

AIBS

Sci

184,525

Feb 62

Fluorescent Microscopical Investigation of
Changes in Amnion Cell Tissue Cultures Infected
with Poliovirus, by N. A. Maksimovich,
N. F. Golub, V. M. Boroday, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 2, 1961, pp 467-.

AIDS

Sci

184,529

Feb 62

The Combined Activity of Earthworms and the Microflora in Forest Soils, by L. S. Kozlovskaya, E. N. Zhdannikova, 3 pp.

RUSSIAN, per, Dok Ak Nauk, SSSR, Vol CXXXIX,
No 2, 1961, pp 470-473.

AIBS

Sci

184.528

Feb 62

Characteristics of the Fat and Water Balance
as a Form of Adaptation to the Environment in
the Separate Development of the Black-Veined
and Cabbage White Butterflies, by G. M.
Seregaya, 4 pp.

ROSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 2, 1961, pp 474-.

AIDS

184,567

Sci

Feb 62

Effect of Methane-Forming Bacteria on Increase in
Electrochemical Corrosion of Metals, by S. I.
Kuznetsov, E. S. Pantskhava, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2,
1961, pp 478-480.

AIBS

Sci

Feb 62

The Morphology of a Polyhedral Virus of the Great
Wax Moth (*Galleria mellonella* L.), by O. I.
Shvetsova, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2,
1961, pp 481-.

AIBS

Sci

Feb 62

Accumulation and Excretion of Strontium 90 and Cesium
 $\text{^{137}Cs}$ by Larvae of the Caddis Fly *Halesus Interpunctatus*
Zett, by A. B. Getsova, G. A. Volkova, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2,
1961, pp 483-485.

AIP
Sov Phys - Dok
Vol VI, No 7

Method of Visualizing Sounds Emitted by a
Mosquito, by L. N. Ryabinkin, K. S. Aleksandrov,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 2, 1961, pp 485~.

A.I.P
Sov Phys - Dok
Vol VI, No 7
Sci A 1 B S 182, ~~608~~ 848

Feb 62

Methods for Determining the Age of Female
Sperm Whales (*Physeter catodon L.*), by
A. A. Berzin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 2, 1961, pp 28 491-.

AIBS

Sci.

184, 536

Feb 62

Yan

The Effect of Adrenalin on Cholinergic Contraction of Avian Skeletal Muscle, by L. G. Magazanik 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 2, 1961, pp 495-.

AIES

Sci

184, 546

Feb 62

Some Features of the Embryonal Diapause in
the Mink (*Mustela vison* Shreb.), by
Yu. B. Baevekiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXIX,
No 2, 1961, pp 2499-502.

ATBS

Sci

184,569

Feb 62

Inductive Properties of the Chordomesodermal Rudiment before Onset of Invagination and Regulation of Defects of This Rudiment in Sturgeon Embryos, by G. M. Igorets'yeva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 2, 1961, pp 503-509.

Sci

AIBS
184,570

Feb 62

Correlation between Latent Differentiation
of Auditory Vesicle Material and Cell Generations
at Corresponding Stages of Development in
Embryos of the Beluga, Russian Sturgeon, and
Starred Sturgeon, by E. V. Chulitskaya, 4 pp.

RUSSIAN, per, Dok v Ak Nauk SSSR, Vol CXXXIX,
no 2, 1961, pp 506~.

AIBS

Sci

184, 563

Feb 62

The Upset of Carbohydrate Metabolism in
Cyprinid Fish Infected with Ligula and
Diplostomum, by N. A. Kosareva, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 2, 1961, pp-510-572.

Sci

AES
NLL/RTS 2279
184,553

Feb 62

(SV-1880)

Physics Changes of Electric Resistance in Praseodymium,
Dysprosium, Erbium, and Ytterbium Under Pressure of
Up to 250,000 kg/cm², by L. F. Vereshchegin, A. A.
Semenchuk, S. V. Popova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 3,
1961.

JPRS 10499

174,033

Sci Phys

An Interesting Class of Quasilinear Systems, by S. K.
Godunov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 1-6,
pp521-523.

Amer Math Soc

Sci

Mar 62

Certain Conditions for the Smoothness of a Function of
Many Variables and Estimates for Convolution Operators
by K. K. Golovkin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, 1961,
pp 524-527.

Amer Math Soc

Sci

201,063

Jun 62

On the Order of Best Approximation of Functions
Defined on a Continuum by Means of Linear Combinations
of Elements of an Extendable Basis, by M. M. Dragilev,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, 1961,
pp 528-530.

Amer Math Soc

Sci

Jun 62

The Behavior for $t \rightarrow \infty$ of Solutions of a Problem of Sobolev, by T. I. Zelenyak, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, 1961,
pp 531-533.

Amer Math Soc

Sci

Jun 62

On a New Numerical Scheme of the Algorithm for the
Chebyshev Approximation of an Incompatible System of
Linear Equations and a System of Linear Inequalities
by S. I. Zuhoviskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, 1961,
pp 534-537.

As Amer Math Soc

Sci

201, 064

Jun 62

Reference Frames for Submanifolds in the Theory of
Paired Complexes in P_3 , by E. T. Ivlev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, 1961,
pp 538-540.

Amer Math Soc

Sci

Jun 62

A Two Point Boundary Value Problem for a Nonlinear
Second-Order Differential Equation, and Some Theorems
on Intermediate Values, by G. A. Kamenskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, 1961,
pp 541-543.

Amer Math Soc

Sci

Jun 62

A Boundary Value Problem for Linear and Quasilinear
Parabolic Equations, by O. A. Ladyzhenskaya, N. N.
Ural'seva, & 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, 1961,
pp 544-547.

Amer Math Soc

Sci

Jun 62

On a Class of Completely Continuous Operators, by
V. I. Macayev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, 1961,
pp 548-551.

AMER Math Soc

Sci

Jun 62

201,065-

Elliptic Equations With Singular Coefficients, by
L. G. Mihailov, 4 pp.

~~USSIAN~~, per, Dok Ak Nauk SSSR, Vol CXXXIX, 1961,
pp 552-555.

Amer Math Soc

Sci

Jun 62

201,066

(NY-6502)

Concerning the Integration of Potential-Pulse
Forms, by V. G. Lazarov, Ye. I. Piyl', 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 3, pp 556-559.

JPRS 10438

Sci - Phys

173, 616

Nov 61

(DC-5901)

On Alphabetic Coding, by A. A. Markov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 3, Jul 1961, pp 560-561.

JPRG 11088

Sci - Misc

175, 457

Dec 62

(EN-390)

On the Transformation of Programs for Solving
Complex Logical Problems to an Optimal Form,
by S. R. Razumovskiy, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXXIX, No 3,
Jul 1961, pp 562-565.

JPRS 11088

Sci - Misc

175, 458

Dec 61

(NY-6502)

Concerning the Realization of Monotonic Functions
by Networks Consisting of Functional Elements,
by V. I. Reznik, 9 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, VolCXXXIX, No 3,
pp 566-569,

JPRS 10433

Sci - Phys

173, 607

Nov 61

One Version of the Regular Precession of a Solid
With a Liquid-Filled Cavity, by M. P. Gulyayev, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 3,
1961, pp 574-575.

AIP
Sov Phys - Dok
Vol VI, No 7

Sci

Jan 62

Investigation of the Plastic Deformation of a Metal with Deformation Anisotropy due to Pre-stressing, by I. N. Izotov, Yu. I. Yagn, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 1, 1961, ~~ppc 59~~ pp 576..

3

AIP
Sov Phys - Dok
Vol VI, No 7

Sci

858
182, ~~654~~

Feb 62

The System of Equations Arising in the
Investigation of the Bending of a Circular
Prismatic Beam with a Nonaxial Elliptical
Hole, by Yu. A. Amenzade, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
Nauk, 1961, pp 580-584.
No 3,

AIP
Sov Phys-Dok
Vol VI, No 7

Sci

846
182, ~~584~~

Feb 62

Variation of Electrical Resistance of
Praseodymium, Dysprosium, Erbium, and ²
Ytterbium under Pressures up to 250,000 kg/cm²,
by L. F. Vereshchagin, A. A. Semerchan, S. V.
Popova, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
no 3, 1961, pp 585-586.

AIP
Sov Phys - Dok
Vol VI, No 7 854

Sci 182, ~~182~~

Feb 62

Fluctuations of Electron Density in the
Ionosphere, by E. A. Novikov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 3, 1961, pp 587-589.

NASA TT F-8106

Sci

6 Mar 62

185, 928

US GOV'T ONLY

One-Dimensional Flow of an Ultrarelativistic Gas, by K. P. Stanyukovich, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 3, 1961, pp 590-.

AIP
Sov Phys - Dok
Vol VI, No 7

Sci

Feb 62

855
182, ~~59~~

Variation in the Mechanical Characteristics of
Amorphous Selenium Under the Action of Gamma
Radiation, by S. V. Starodubtsev, I. A. Domoryad,
L. P. Khiznichenko, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 3,
1961, pp 594-.

AIP
Sov Phys - Dok
Vol VI, No 7

Sci

Jan 62

Naturk Diindandionylalkanes, by L. S. Geita,
G. Ya. Vanag, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 3, 1961, pp 597-600.

CB

Sci

200, 782

Jun 62

Spectral Measurements in Mixed Solvents Based
on Alkanes as a Method of Studying the Inter-
action of Substances With Solvents, by
V. A. Izmail'skiy, M. A. Mostoslavskiy, 4 pp.

RUSSIAW, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 3, 1961, pp 601-604.

CB

sci

200, 783

Jun 62

<p>Kargin, V. A., Kabanov, V. A. and others. THE POLYMERIZATION OF ACETONITRILE AND OTHER NITRILES. [1961] 4p. Order from ATS \$6.60 ATS-25N55R</p> <p>Trans. of Akad[emiya] Nauk SSSR Doklady, 1961. v. 139, no. 3, p. 605-607.</p> <p>DESCRIPTORS: *Acetonitriles, *Nitriles, *Polymerization.</p> <p>(Chemistry--Organic, TT, v. 7, no. 1)</p>	<p>61-25554</p> <p>I. Kargin, V. A. II. Kabanov, V. A. III. ATS-25N55R IV. Associated Technical Services, Inc. East Orange, N. J.</p> <p>ATS/RT-3000</p> <p>Office of Technical Services</p>
---	--

Thin-Layer Chromatography of Cerebrosides, by
N. K. Kochetkov, L. G. Zhukova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 3, 1961, pp 609-611.

CB

Sci

Jun 62

200, 784

The Homologous Series of Uranium Oxides,
 U_nO_{2n+2} , by E. S. Makarov 3pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 3, 1961, pp 612-615.

CB

Sci

200,785

Jun 62

Investigation of the Thermodynamic Properties of
Cerium-Lead, Praseodymium-Lead and Neodymium-Lead
Alloys, by P. P. Otopkov, Ya. I. Gerasimov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 3, 1961,
pp 616-617.

CB

Sci

Jun 62

Investigations in the Field of Multicomponent
Nickel Systems, by L. I. Pryakhina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 3, 1961, pp 618-621.

cs

Sci

Jun 62

200,786

A New Method for the Synthesis of Trichloro-methyl Organomercury Compounds, by
O. A. Reutov, A. N. Lovtsova, 4 pp.

RUSSIAN, per, Dok. Akad. Nauk SSSR, Vol CXXXIX,
No 3, 1961, pp 622-625.

CB

Sci

200,787

Jun 62

Chemisorption of Isopropyl Alcohol on Metal
Oxide- γ -Alumina Catalysts, by A. M. Rubinekstein,
K. I. Slovetakaya, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 3, 1961, pp 626-629.

CB

Sai 200, 788
OTS 62-R56P
Jun 62

The Nature of the Green Light Emission and
the Composition of the Products Obtained by
Benz Burning Boron at 3100° K, by A. D. Rusin,
V. M. Tatevskiy, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX,
No 3, 1961, pp 630-633. 9676729

FID-TT-62-228

Sci - Phys

196, 483

23 May 62

On the Catalytic Hydrogenation of Esters, by N. I.
Shuikin, I. F. Bel'skiy, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 3, 1961,
pp 634-636.

CB

Sci

Jun 62

Some Features of the Inoculation of Centers of Grey
Tin on Particles of CdTe, InSb, Si and Ge, by A. I.
Bykovskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 3,
1961, pp 637-640.

CB

Sci

Apr 62

Interaction of Oxygen and Anions Adsorbed on
Platinum, by V. E. Kazarinov, I. A. Balashova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 3,
1961, pp 641-644.

CB

Sci

Apr 62

Experimental Determination of the Enthalpy of
Molybdenum at 700-2337°, by V. A. Kirillin, A. E.
Sheindlin, V. Ya. Chekhovskoy, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 3,
1961, pp 645-647.

CB

Sci

Apr 62

Chemical Exchange Reactions in Solid Phases, and the
Contact Between Reacting Solid Particles, by N. N.
Pavlyuchenko, M. P. Gilevich, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 3,
1961, pp 648-650.

CB

Sci

Apr 62

The Nature and Stability of the Cross Linkages in
Radiation Vulcanizates of Polysiloxane Rubbers, by
I. Ya. Poddubnyy, S. V. Aver'yanov, L. A. Aver'yanova,
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 3,
1961, pp 651-653.

CB

Sci

Apr 62

The Effect of the Radioactivity of Molybdenum
Trioxyde on the Velocity of Its Evaporation, by
V. I. Spitsyn, I. E. Zimakov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 3,
1961, pp 654-657.

CB

Sci

Apr 62

Effect of Fluorescence Quenchers on the Fluorescence Spectra of Solutions of Some Anthracene and Phthalimide Derivatives in Mixtures of Solvents, by A. S. Cherkasov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 3, 1961, pp 658-661.

CR

Sci

Apr 62

The $I^{1/2}$ -Law in the Radiolytic Oxidation of Iron Ions by Hydrogen Atoms and the Reaction Mechanism, by B. V. Yershler, V. G. Firsov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 3, 1961, pp 662-664.

CB

Sci

Apr 62

The Problem of the Age of the Earliest Sedimentary
Mantle of the Russian Platform, by A. S. Klevtsova,
L. F. Solontsov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Earth Sciences
Section), Vol CXXXIX, No 3, 1961, pp 673-676.

AGI

Sci

Aug 63

The Correlation of Zones of Regional Epigenesis and
Metagenesis in Terrigenous and Volcanic Rocks, by
A. G. Kosovskaya, V. D. Shutov, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Earth Sciences
Section), Vol CXXXIX, No 3, 1961, pp 677-680.

AGI

Sci

Aug 63

The Main Stages in the History of Vegetation in
the Lower Reaches of the Indigirka River During
the Quaternary Period, by Yu. A. Lavrushin,
R. Ye. Giterman, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR (Earth Sciences
Section), Vol CXXXIX, No 3, 1961, pp 681-684.

AGI

Sci -

Aug 63